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transmitting each of said sequences of tones in a soundwave form to said human during a predetermined period,

wherein a tempo at which each subsequent said sequence of tones is repeated is selected to be increased or decreased during the predetermined period thereby adjusting cognitive function of the postnatal human.

B2

Sub C-2/ 17. (Amended) A method for improving the cognitive function of a premature baby comprising the steps of:

determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo; and

transmitting each of said sequences of tones in soundwave form to said premature baby during a predetermined period,

wherein a tempo at which each subsequent said sequence of tones is repeated is selected to be increased during the predetermined period thereby improving the cognitive function of the premature baby.

B3

32. (Amended) A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period; and

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period thereby adjusting cognitive function of the postnatal human.

B4 sub 17

33. (Twice Amended) A system for adjusting cognitive function of a postnatal human comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

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means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period; and

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period,

wherein said tones in said pattern of sonic variations are a baseline tone or a tonal variation from said baseline tone in which subsequent sequences increase or decrease in tempo thereby adjusting cognitive function of the postnatal human.

Sub C37
36. (Twice Amended) A system for adjusting cognitive function of a postnatal human comprising:

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means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time during a predetermined period;

means for transmitting each of said sequences of tones in soundwave form to said human during said predetermined period; and

means for positioning a transmission means proximate to a forehead of said human and transmitting said sequence of tones aurally thereby adjusting cognitive function of the postnatal human.

37. (Twice Amended) A system for increasing cognitive function of a premature baby comprising:

means for determining a pattern of sonic variations, said pattern comprising a plurality of sequences of tones, each sequence being repeated at a predetermined tempo;

means for selecting each of said sequences of tones to be transmitted at a predetermined time; and

means for transmitting each of said sequences of tones in soundwave form to said premature baby thereby improving the cognitive function of the premature baby.

Please cancel claims 42 and 43.